

Specifications:

Gene:	rAVPR2
Accession:	NP_062009
Insert size:	1129bp
Concentration:	10µg at 0.2µg/µL

rAVPR2 cDNA Plasmid

Avpr2 arginine vasopressin receptor 2 [*Rattus norvegicus* (Norway rat)]

Summary:

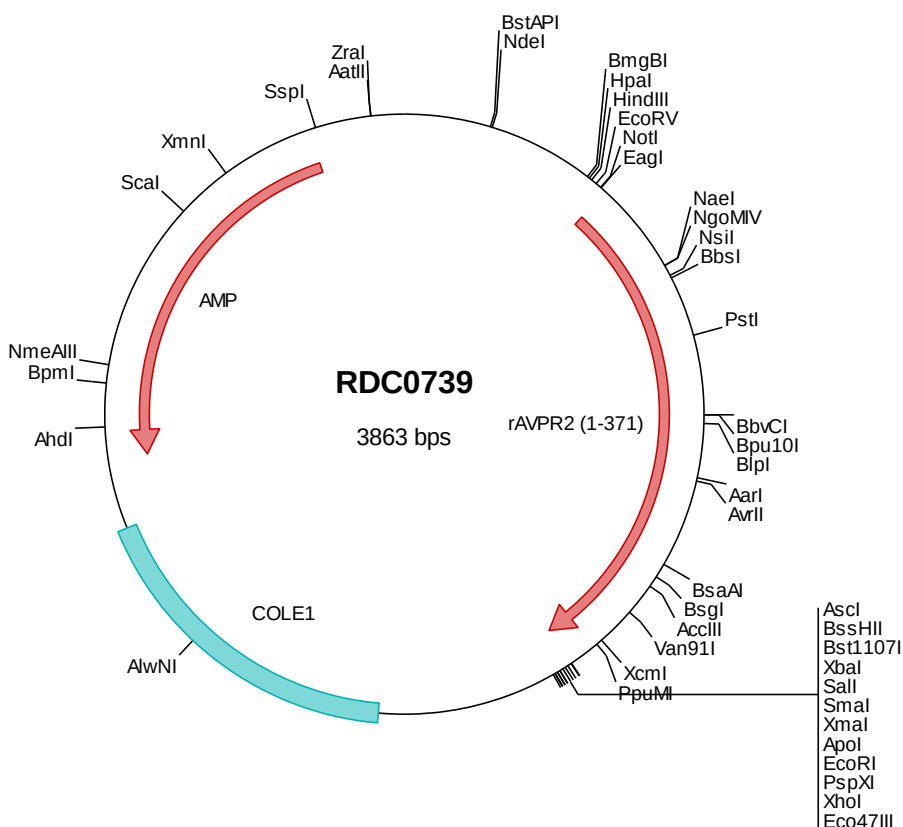
AVPR2 is a G protein-coupled receptor for arginine vasopressin. It mediates antidiuretic effects and changes in blood pressure. AVPR2 responds to the pituitary hormone arginine vasopressin (AVP) by stimulating mechanisms that concentrate the urine and maintain water homeostasis.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0739 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tgcgtagcgc ggccgcaccc atgtctctag tgtctaccgt gtcgcgtgtg cctgggctct tttacccccc
501  tagctctccc agcaacagca gccaggagga actactggat gaccgagacc cgtctgtagt ccgggctgaa ctggccctgc tatctacaat tttgttggct
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> RDC0739 Translated Insert Sequence

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201  glrayvtwia lmvfvapalg iaacqvlifr eihaslvpgp seragrrrrr rrtgspsega hvsaamaktv rmtlvivivy vlwcapfflv qlwaawdpea
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